

New-(National Phase of PCT/JP2004/005191)  
Preliminary Amendment

Please replace the paragraph beginning at page 11, line 1 with the following rewritten version:

The diffusion speed of the target substance into the structure will increase as the concentration of the target substance increases, so the range in which a substance will be detected whose quantity increases or decreases by means of the reaction between the target substance and the ~~test-specimen~~ reagent will become larger. Thus, a target substance can be quantitatively measured by measuring the location at which the quantitatively increasing or decreasing substance is detected after a predetermined period of time has elapsed.

Please replace the paragraph beginning at page 11, line 8 with the following rewritten version:

A seventh ~~invention~~ aspect of the present ~~application~~ invention provides a quantitative measurement method according to the first ~~invention~~ aspect of the present ~~application~~ invention, in which in the detection step, the concentration distribution of the quantitatively increasing or decreasing substance is detected at a distance from the contact interface between the test specimen and the structure by scanning the structure after the contacting step.

51C  
11/2/00  
Please replace the paragraph beginning at page 11, line <sup>19</sup>~~28~~ with the following rewritten version:

An eighth ~~invention~~ aspect of the present ~~application~~ invention provides a quantitative measurement method according to the first ~~invention~~ aspect of the present

application invention, in which in the detection step, the quantitatively increasing or decreasing substance is detected by measuring the light absorbency of the quantitatively increasing or decreasing substance.

SC  
11/12/00  
Please replace the paragraph beginning at page 11, line <sup>24</sup>19 with the following rewritten version:

A ninth ~~invention~~ aspect of the present ~~application invention~~ provides a quantitative measurement method according to the first ~~invention~~ aspect of the present ~~application invention~~, further comprising a diffusion promoting step which promotes the diffusion of a target substance into the structure by applying a voltage to a target substance having an electrical charge.

Please replace the paragraph beginning at page 12, line 3 with the following rewritten version:

A tenth ~~invention~~ aspect of the present ~~application invention~~ provides a quantitative measurement chip comprising a reaction cell having a structure which is formed with a three dimensional mesh structure material, the structure containing a reagent that reacts with a target substance in the mesh; a photoreceptor and photoemitter for measuring, at a contact interface between the test specimen and the reagent, the light absorbance of a substance whose quantity increases or decreases within the reaction cell by means of the reaction between the target substance and the reagent; and an injection tube for injecting a test specimen containing the target substance into the reaction cell. The mesh structure allows at least the target substance to pass therethrough.